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L9	0	12 and 709/220.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/10 15:52

L10	0	l2 and 709/208.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/10 15:52
L11	0	12 and 719/318.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/10 15:52
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Workshop on compositional software architectures: workshop report May 1998 ACM SIGSOFT Software Engineering Notes, Volume 23 Issue 3

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82 An approach to large-scale collection of application usage data over the Internet David M. Hilbert, David F. Redmiles

April 1998 Proceedings of the 20th international conference on Software engineering

Full text available: pdf(1.31 MB) Publisher Site

Additional Information: full citation, references, citings, index terms

Exploiting an event-based infrastructure to develop complex distributed systems

G. Cugola, E. Di Nitto, A. Fuggetta

April 1998 Proceedings of the 20th international conference on Software engineering

Full text available: pdf(1.19 MB) Publisher Site

Additional Information: full citation, references, citings, index terms

84 Frameworks for component-based client/server computing

Scott M. Lewandowski

March 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 1

Full text available: pdf(243.81 KB)

Additional Information: full citation, references, citings, index terms

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

Proceedings of the 1997 conference of the Centre for Advanced Studies on Coll November 1997

Full text available: pdf(4.21 MB)

Additional Information: full citation, abstract, references

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-tim execution of the application. The visualization tool we use is Poet, an event tracer developed at the Univand do not provide the user with the desired overview of the application. In our experience, such tools d

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A design framework for Internet-scale event observation and notification

David S. Rosenblum, Alexander L. Wolf

November 1997 ACM SIGSOFT Software Engineering Notes, Proceedings of the 6th European c international symposium on Foundations of software engineering, Volume 22 Issue

Full text available: pdf(1.58 MB)

Additional Information: full citation, references, citings, i

Keywords: Internet, design, distributed systems, events, software engineering

87 Mobile objects in distributed Oz

Peter Van Roy, Seif Haridi, Per Brand, Gert Smolka, Michael Mehl, Ralf Scheidhauer

September 1997 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 19

Full text available: pdf(484.83 KB)

Additional Information: full citation, abstract, references

Some of the most difficult questions to answer when designing a distributed application are related to move to transfer it. Network-transparent distribution, the property that a program's behavior is independent these questions. Therefore we propose to extend all language entities with a network behavior that enable

Keywords: latency tolerance, mobile objects, network transparency

The impact of object technology on commercial transaction processing

Edward E. Cobb

August 1997 The VLDB Journal — The International Journal on Very Large Data Bases, Volume

Full text available: pdf(649.17 KB)

Additional Information: full citation, abstract, index term:

Businesses today are searching for information solutions that enable them to compete in the global mark investments, permit the best technology to be applied to the problem, and be manageable. Object techn application development, delivers these characteristics but, to date, its deployment in commercial busing

Keywords: Objects, Workflow, transaction processing

89 Assessing process-centered software engineering environments

Vincenzo Ambriola, Reidar Conradi, Alfonso Fuggetta

July 1997 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 6

Full text available: pdf(342.52 KB)

Additional Information: full citation, abstract, references

Process-centered software engineering environments (PSEEs) are the most recent generation of environ representation of the process (called the process model that specifies how to carry out software develop to use and control software development tools. A process model is therefore a vehicle to better understa

Keywords: CASE, enabling technology, process modeling languages, process-centered software engineer

90 A case study of verification, validation, and accreditation for advanced distributed simulation

Ernest H. Page, Bradford S. Canova, John A. Tufarolo

July 1997 ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 7 Issu

Full text available: pdf(501.51 KB)

Additional Information: full citation, abstract, references

The techniques and methodologies for verification and validation of software-based systems have arguat Advanced Distributed Simulation (ADS), a major initiative within the defense modeling and simulation cc approaches. A case study of the development process and concomitant verification and validation activiti

Keywords: IDEF modeling, advanced distributed simulation, aggregate level simulation protocol, life cyc

Verification techniques for cache coherence protocols

Fong Pong, Michel Dubois

March 1997 ACM Computing Surveys (CSUR), Volume 29 Issue 1

Full text available: pdf(1.25 MB)

Additional Information: full citation, abstract, references

In this article we present a comprehensive survey of various approaches for the verification of cache coh checking, and symbolic state models. Since these techniques search the state space of the protocol exha information and the verification time grow very fast with the number of processors and the complexity o

Keywords: cache coherence, finite state machine, protocol verification, shared-memory multiprocessors

92 Xunet 2: lessons from an early wide-area ATM testbed

Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Morgan, Robert C. Restrick February 1997 IEEE/ACM Transactions on Networking (TON), Volume 5 Issue 1

Full text available: pdf(231.69 KB)

Additional Information: full citation, references, index terms

Keywords: asynchronous transfer mode, available bit rate, constant bit rate, variable bit rate

93 Report from the NSF workshop on workflow and process automation in information systems Amit Sheth, Dimitrios Georgakopoulos, Stef M. M. Joosten, Marek Rusinkiewicz, Walt Scacchi, Jack Wileden ACM SIGSOFT Software Engineering Notes, Volume 22 Issue 1 January 1997

Full text available: pdf(1.24 MB)

Additional Information: full citation, abstract, citings, ind

An interdisciplinary research community needs to address challenging issues raised by applying workflow results from the NSF workshop on Workflow and Process Automation in Information Systems which was 1996. The workshop brought together active researchers and practitioners from several communities, wi systems, sof ...

94 IS '97: model curriculum and guidelines for undergraduate degree programs in information system Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker ACM SIGMIS Database, Guidelines for undergraduate degree programs on Moc December 1996 programs in information systems, Volume 28 Issue 1

Full text available: pdf(7.24 MB)

Additional Information: full citation, citings

Report from the NSF workshop on workflow and process automation in information systems Amit Sheth, Dimitrios Georgakopoulos, Stef M. M. Joosten, Marek Rusinkiewicz, Walt Scacchi, Jack Wileden ACM SIGMOD Record, Volume 25 Issue 4 December 1996

Full text available: pdf(1.31 MB)

Additional Information: full citation, abstract, citings, ind

An interdisciplinary research community needs to address challenging issues raised by applying workflow results from the NSF workshop on Workflow and Process Automation in Information Systems which was 1996. The workshop brought together active researchers and practitioners from several communities, wi systems ...

96 Strategic directions in concurrency research

Rance Cleaveland, Scott A. Smolka

December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4

Full text available: pdf(323.67 KB)

Additional Information: full citation, references, citings, index terms

97 Availability management of distributed programs and services

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Markus Endler

November 1996 Proceedings of the 1996 conference of the Centre for Advanced Studies on Coll

Full text available: pdf(281.80 KB)

Additional Information: full citation, abstract, references

Modern distributed applications pose increasing demands for high availability, automatic management, a presents the architecture of Sampa, a *System for Availability Management of Process-based Applications* designed to support the management of fault-tolerant DCE-based distributed programs according to use

98 A framework for event-based software integration

Daniel J. Barrett, Lori A. Clarke, Peri L. Tarr, Alexander E. Wise

October 1996 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 5

Full text available: pdf(413.46 KB)

Additional Information: full citation, abstract, references

Although event-based software integration is one of the most prevalent approaches to loose integration, uniform way to discuss event-based integration, compare approaches and implementations, specify new capabilities of event-based integration systems. We attempt to address these shortcomings by specifying

Keywords: CORBA, FIELD, Polylith, control integration, event-based systems, interoperability, reference

99 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS conference on User services

Full text available: pdf(5.73 MB)

Additional Information: full citation, references, index terms

100 SafeBots: a paradigm for software security controls

Robert Filman, Ted Linden

September 1996 Proceedings of the 1996 workshop on New security paradigms

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101 Fault-tolerance in air traffic control systems

Flaviu Cristian, Bob Dancey, Jon Dehn

August 1996

ACM Transactions on Computer Systems (TOCS), Volume 14 Issue 3

Full text available: pdf(264.57 KB)

Additional Information: full citation, abstract, references

The distributed real-time system services developed by Lockheed Martin's Air Traffic Management group Either completed development or under development are the US Federal Aviation Administration's Displa Authority's New Enroute Center (NERC) system, and the Republic of China's Air Traffic Control Automate present ...

Keywords: exception handling, failure, failure classification, failure masking, failure semantics, fault-tol software robustness, system architecture

102 Mariposa: a wide-area distributed database system

Michael Stonebraker, Paul M. Aoki, Witold Litwin, Avi Pfeffer, Adam Sah, Jeff Sidell, Carl Staelin, Andrew Yu The VLDB Journal — The International Journal on Very Large Data Bases, Volume January 1996

Full text available: pdf(172.75 KB)

Additional Information: full citation, abstract, citings, ind

The requirements of wide-area distributed database systems differ dramatically from those of local-area individual sites usually report to different system administrators, have different access and charging algoconstraints on servicing remote requests. Typical of the last point are production transaction environmer

Keywords: Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area networ

103 Rover: a toolkit for mobile information access

A. D. Joseph, A. F. de Lespinasse, J. A. Tauber, D. K. Gifford, M. F. Kaashoek

ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM sym December 1995

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Additional Information: full citation, references, citings, inde

104 Ada 83/95 binding to OSF's distributed computing environment (DCE)

Richard Kram, Ed Gallagher, Jeffrey Den Bleyker, Howard Eng

November 1995 Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solut

Full text available: pdf(1.25 MB)

Additional Information: full citation, references

105 PPFS: a high performance portable parallel file system

James V. Huber, Andrew A. Chien, Christopher L. Elford, David S. Blumenthal, Daniel A. Reed July 1995 Proceedings of the 9th international conference on Supercomputing

Full text available: pdf(995.62 KB) Additional Information: full citation, references, citings, index terms

106 Special issue on persistent object systems: Orthogonally persistent object systems

Malcolm Atkinson, Ronald Morrison

July 1995 The VLDB Jou

The VLDB Journal — The International Journal on Very Large Data Bases, Volume

Full text available: mpdf(5.02 MB)

Additional Information: full citation, abstract, references

Persistent Application Systems (PASs) are of increasing social and economic importance. They have the large bodies of data and programs. Typical examples of PASs are CAD/CAM systems, office automation, support systems in hospitals. Orthogonally persistent object systems are intended to provide improved s 0 ...

Keywords: database programming languages, orthogonal persistence, persistent application systems, p

107 APPL/A: a language for software process programming

Stanley M. Sutton, Dennis Heimbigner, Leon J. Osterweil

July 1995 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 4

Full text available: pdf(4.89 MB)

Additional Information: full citation, abstract, references

Software process programming is the coding of software processes in executable programming language realization has been hampered by a lack of experience in the design and use of process programming language developed to help gain this experience. It is intended for the coding of programs to represent a

Keywords: consistency management, multiparadigm programming languages, software process program

108 Chiron-1: a software architecture for user interface development, maintenance, and run-time supp Richard N. Taylor, Kari A. Nies, Gregory Alan Bolcer, Craig A. MacFarlane, Kenneth M. Anderson, Gregory F June 1995 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 2 Issue 2

Full text available: pdf(2.65 MB)

Additional Information: full citation, abstract, references

The Chiron-1 user interface system demonstrates key techniques that enable a strict separation of an ac separating the control-flow aspects of the application and user interface: they are concurrent and may conducted issues from dialogue and abstract presentation decisions via mechanisms employing a client-second

Keywords: artists, client-server, concurrency, event-based integration, user interface architectures

109 Object orientation in multidatabase systems

Evaggelia Pitoura, Omran Bukhres, Ahmed Elmagarmid

June 1995 ACI

ACM Computing Surveys (CSUR), Volume 27 Issue 2

Full text available: pdf(4.85 MB)

Additional Information: full citation, abstract, references

A multidatabase system (MDBS) is a confederation of preexisting distributed, heterogeneous, and autonic research suggesting the application of object-oriented techniques to facilitate the complex task of design promising, the lack of a general framework impedes any further development. The goal of this paper is t

Keywords: distributed objects, federated databases, integration, multidatabases, views

110

A distributed and policy-free general-purpose shared window system

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Thomas Gutekunst, Daniel Bauer, Germano Caronni, Bernhard Plattner, Hasan February 1995 IEEE/ACM Transactions on Networking (TON), Volume 3 Issue 1

Full text available: pdf(1.74 MB)

Additional Information: full citation, references, citings, index terms

111 A concurrency analysis tool suite for Ada programs: rationale, design, and preliminary experience Michal Young, Richard N. Taylor, David L. Levine, Kari A. Nies, Debra Brodbeck

ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 4 January 1995

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Additional Information: full citation, abstract, references

Cats (Concurrency Analysis Tool Suite) is designed to satisfy several criteria: it must analyze implementa associated with program source code; it must be modularized in a fashion that supports flexible composi of testing and analysis techniques; and its performance and capacity must be sufficient for analysis of re

Keywords: Ada, concurrency, software development environments, static analysis, tool integration

112 Discrete element models and real life duals

Ross A. Gagliano, Michael R. Lauer

December 1994 Proceedings of the 26th conference on Winter simulation

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Additional Information: full citation, references, index terms

113 Modeling NII services: future needs for standards and interoperability

Christopher Dabrowski, William Majurski, Wayne McCoy, Shukri Wakid

December 1994 StandardView, Volume 2 Issue 4

Full text available: pdf(1.49 MB)

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114 Making sense of software engineering environment framework standards

Barbara Cuthill

December 1994 StandardView, Volume 2 Issue 4

Full text available: pdf(1.67 MB)

Additional Information: full citation, references, index terms

115 An object-oriented, distributed architecture for large-scale Ada systems

Phillipe Kruchten, Christopher J. Thompson

November 1994 Proceedings of the conference on TRI-Ada '94

Full text available: pdf(1.14 MB)

Additional Information: full citation, abstract, references

This paper presents an architectural model ideally suited for the description of large, distributed commar dimensions (or views) of software architecture and is used to describe the software architecture of a fam development by Hughes Aircraft of Canada. Some of the features of this family of systems are described

116 Transparent fault tolerance for distributed Ada applications

Mark A. Breland, Steven A. Rogers, Guillaume P. Brat, Kenneth L. Nelson

Proceedings of the conference on TRI-Ada '94 November 1994

Full text available: pdf(1.62 MB)

Additional Information: full citation, abstract, references

The advent of open architectures and initiatives in massively parallel supercomputing, combined with the enabled the implementation of responsive software-based fault tolerance. Expanding capabilities of distr of hardware fault tolerance into critical, realtime embedded systems. Through the integration of proven .

Experience with the virtual notebook system: abstraction in hypertext

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Jerry Fowler, Donald G. Baker, Ross Dargahi, Vram Kouramajian, Hillary Gilson, Kevin Brook Long, Cynthia Proceedings of the 1994 ACM conference on Computer supported cooperative v October 1994

Full text available: pdf(1.49 MB)

Additional Information: full citation, abstract, references

The Virtual Notebook System (VNS) is a distributed collaborative hypertext system that has made a succ Experience in developing and deploying the VNS in diverse settings including biomedical research, under developed insight into the use of systems for computer-supported cooperative work (CSCW). This paper

Keywords: CSCW, Dexter model, VNS, VOM, collaboration, consortium, hypertext, memento, metaphor

118 A taxonomy of computer program security flaws

Carl E. Landwehr, Alan R. Bull, John P. McDermott, William S. Choi September 1994 ACM Computing Surveys (CSUR), Volume 26 Issue 3

Full text available: pdf(3.81 MB)

Additional Information: full citation, abstract, references

An organized record of actual flaws can be useful to computer system designers, programmers, analysts computer program security flaws, with an Appendix that documents 50 actual security flaws. These flaws widely separated places. For those new to the field of computer security, they provide a good introductic

Keywords: error/defect classification, security flaw, taxonomy

119 Research issues in ubiquitous computing

Alan J. Demers

August 1994 Proceedings of the thirteenth annual ACM symposium on Principles of distributed co

Full text available: pdf(721.57 KB)

Additional Information: full citation, references, citings, index terms

120 Enterprise information architectures—they're finally changing

Wesley P. Melling

May 1994

ACM SIGMOD Record, Proceedings of the 1994 ACM SIGMOD international con

Full text available: pdf(1.28 MB)

Additional Information: full citation, abstract, references

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